



Patent  
Attorney's Docket No. 001560-381

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	
Kengo AKIMOTO et al.	)	Group Art Unit: 1651
Application No.: 09/530,260	)	Examiner: Irene Marx
Filed: July 12, 2000	)	Confirmation No.: 7267
For: PROCESS FOR PRODUCING	)	
ARACHIDONIC ACID-	)	
CONTAINING LIPID AND	)	
DIHOMO-GAMMA-LINOLENIC	)	
ACID-CONTAINING LIPID	)	

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**AMENDMENT AND REPLY**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In complete response to the Official Action mailed on July 25, 2002 (i.e., Paper No. 13), please amend the above-identified application as follows.

**IN THE SPECIFICATION**

Kindly replace the paragraph at page 12, lines 3-12 with the following:

-- As mutant strains of the present invention, for example, *Mortierella alpina*

SAM2153 (Accession No. FERM P-15767) (Accession No. FERM BP-6794) wherein  $\omega 3$  desaturase activity has been extremely decreased that was induced by the present inventors from *Mortierella alpina* IFO8568 capable of producing arachidonic acid can be used, but it is not limiting said to strain, and all other mutant strains that exhibit the ratio of an activity of smaller than 1 relative to eicosapentaenoic acid of the parent strain cultured under a low-